RAW SEQUENCE LISTING *EFS*

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/562,561A

Source: /Fw16

Date Processed by STIC: 3/12/07

ENTERED

RAW SEQUENCE LISTING   DATE: 03/12/2007
PATENT APPLICATION: US/10/562,561A   TIME: 16:28:27

Input Set : N:\efs\03_12_07\10562561A_efs\02728L.txt
Output Set: N:\CRF4\03122007\J562561A.raw

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 3 <110> APPLICANT: Sirna Therapeutics, Inc.
 4        McSwiggen, James
 5        Beigelman, Leonid
 7 <120> TITLE OF INVENTION: RNA Interference Mediated Treatment of Alzheimer's Disease
Using
 8        Short Interfering Nucleic Acid (siNA)
10 <130> FILE REFERENCE: 400/166 (MBHB02-728-L)
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/562,561A
C--> 13 <141> CURRENT FILING DATE: 2006-06-19
15 <150> PRIOR APPLICATION NUMBER: US 10/607933
16 <151> PRIOR FILING DATE: 2003-06-27
18 <150> PRIOR APPLICATION NUMBER: US 09/930423
19 <151> PRIOR FILING DATE: 2001-08-15
21 <150> PRIOR APPLICATION NUMBER: PCT/US03/04710
22 <151> PRIOR FILING DATE: 2003-02-18
24 <150> PRIOR APPLICATION NUMBER: US 10/205309
25 <151> PRIOR FILING DATE: 2002-07-25
27 <150> PRIOR APPLICATION NUMBER: PCT/US04/16390
28 <151> PRIOR FILING DATE: 2004-05-24
30 <150> PRIOR APPLICATION NUMBER: US 10/826966
31 <151> PRIOR FILING DATE: 2004-04-16
33 <150> PRIOR APPLICATION NUMBER: US 10/757803
34 <151> PRIOR FILING DATE: 2004-01-14
36 <150> PRIOR APPLICATION NUMBER: US 10/720448
37 <151> PRIOR FILING DATE: 2003-11-24
39 <150> PRIOR APPLICATION NUMBER: US 10/693059
40 <151> PRIOR FILING DATE: 2003-10-23
42 <150> PRIOR APPLICATION NUMBER: US 10/444853
43 <151> PRIOR FILING DATE: 2003-05-23
45 <150> PRIOR APPLICATION NUMBER: PCT/US03/05346
46 <151> PRIOR FILING DATE: 2003-02-20
48 <150> PRIOR APPLICATION NUMBER: PCT/US03/05028
49 <151> PRIOR FILING DATE: 2003-02-20
51 <150> PRIOR APPLICATION NUMBER: US 60/385580
52 <151> PRIOR FILING DATE: 2002-02-20
54 <150> PRIOR APPLICATION NUMBER: US 60/363124
55 <151> PRIOR FILING DATE: 2002-03-11
57 <150> PRIOR APPLICATION NUMBER: US 60/386782
58 <151> PRIOR FILING DATE: 2002-06-06
60 <150> PRIOR APPLICATION NUMBER: US 60/406784
61 <151> PRIOR FILING DATE: 2002-08-29
63 <150> PRIOR APPLICATION NUMBER: US 60/408378
64 <151> PRIOR FILING DATE: 2002-09-05
66 <150> PRIOR APPLICATION NUMBER: US 60/409293
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Input Set : **N:\efs\03_12_07\10562561A_efs\02728L.txt**
Output Set: **N:\CRF4\03122007\J562561A.raw**

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69 <150> PRIOR APPLICATION NUMBER: US 60/440129
70 <151> PRIOR FILING DATE: 2003-01-15
72 <150> PRIOR APPLICATION NUMBER: PCT/US04/13456
73 <151> PRIOR FILING DATE: 2004-04-30
75 <150> PRIOR APPLICATION NUMBER: US 10/780447
76 <151> PRIOR FILING DATE: 2004-02-13
78 <150> PRIOR APPLICATION NUMBER: US 10/427160
79 <151> PRIOR FILING DATE: 2004-04-30
81 <150> PRIOR APPLICATION NUMBER: PCT/US02/15876
82 <151> PRIOR FILING DATE: 2002-05-17
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85 <151> PRIOR FILING DATE: 2002-03-06
87 <150> PRIOR APPLICATION NUMBER: US 60/292217
88 <151> PRIOR FILING DATE: 2001-05-18
90 <150> PRIOR APPLICATION NUMBER: US 10/727780
91 <151> PRIOR FILING DATE: 2003-12-03
93 <150> PRIOR APPLICATION NUMBER: US 60/543480
94 <151> PRIOR FILING DATE: 2004-02-10
96 <160> NUMBER OF SEQ ID NOS: 1905
98 <170> SOFTWARE: PatentIn version 3.3
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102 <212> TYPE: RNA
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105 <220> FEATURE:
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107   sense region
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110 uuuccucggc agcgguagg   19
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115 <212> TYPE: RNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
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132 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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142 <213> ORGANISM: Artificial Sequence
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155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
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159       sense region
161 <400> SEQUENCE: 5
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166 <211> LENGTH: 19
167 <212> TYPE: RNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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174 <400> SEQUENCE: 6
175 acgcggcgga ucccacucg                                        19
178 <210> SEQ ID NO: 7
179 <211> LENGTH: 19
180 <212> TYPE: RNA
181 <213> ORGANISM: Artificial Sequence
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185       sense region
187 <400> SEQUENCE: 7
188 gcacagcagc gcacucggu                                        19
191 <210> SEQ ID NO: 8
192 <211> LENGTH: 19
193 <212> TYPE: RNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
198       sense region
200 <400> SEQUENCE: 8
201 ugccccgcgc aggucgcg                                         19
204 <210> SEQ ID NO: 9
205 <211> LENGTH: 19
206 <212> TYPE: RNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
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Input Set : N:\efs\03_12_07\10562561A_efs\02728L.txt
Output Set: N:\CRF4\03122007\J562561A.raw

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211       sense region
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214 gaugcugccc gguuuggca                                              19
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218 <211> LENGTH: 19
219 <212> TYPE: RNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
224       sense region
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227 acugcuccug cuggccgcc                                              19
230 <210> SEQ ID NO: 11
231 <211> LENGTH: 19
232 <212> TYPE: RNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
237       sense region
239 <400> SEQUENCE: 11
240 cuggacggcu cgggcgcug                                              19
243 <210> SEQ ID NO: 12
244 <211> LENGTH: 19
245 <212> TYPE: RNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
250       sense region
252 <400> SEQUENCE: 12
253 ggagguaccc acugauggu                                              19
256 <210> SEQ ID NO: 13
257 <211> LENGTH: 19
258 <212> TYPE: RNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
263       sense region
265 <400> SEQUENCE: 13
266 uaaugcuggc cugcuggcu                                              19
269 <210> SEQ ID NO: 14
270 <211> LENGTH: 19
271 <212> TYPE: RNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
276       sense region
278 <400> SEQUENCE: 14
279 ugaaccccag auugccaug                                              19
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Input Set : N:\efs\03_12_07\10562561A_efs\02728L.txt
Output Set: N:\CRF4\03122007\J562561A.raw

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284 <212> TYPE: RNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
289       sense region
291 <400> SEQUENCE: 15
292 guucuguggc agacugaac                                                19
295 <210> SEQ ID NO: 16
296 <211> LENGTH: 19
297 <212> TYPE: RNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
302       sense region
304 <400> SEQUENCE: 16
305 caugcacaug aauguccag                                                19
308 <210> SEQ ID NO: 17
309 <211> LENGTH: 19
310 <212> TYPE: RNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
315       sense region
317 <400> SEQUENCE: 17
318 gaaugggaag ugggauuca                                                19
321 <210> SEQ ID NO: 18
322 <211> LENGTH: 19
323 <212> TYPE: RNA
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
328       sense region
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331 agauccauca gggaccaaa                                                19
334 <210> SEQ ID NO: 19
335 <211> LENGTH: 19
336 <212> TYPE: RNA
337 <213> ORGANISM: Artificial Sequence
339 <220> FEATURE:
340 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
341       sense region
343 <400> SEQUENCE: 19
344 aaccugcauu gauaccaag                                                19
347 <210> SEQ ID NO: 20
348 <211> LENGTH: 19
349 <212> TYPE: RNA
350 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/12/2007

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Input Set : **N:\efs\03_12_07\10562561A_efs\02728L.txt**

Output Set: **N:\CRF4\03122007\J562561A.raw**

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1883; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1884; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1885; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1886; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1887; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1888; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1889; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1890; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:1891; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1883; Line(s) 37834
Seq#:1884; Line(s) 37878

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Output Set: N:\CRF4\03122007\J562561A.raw

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:37845 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1883 after pos.:0
L:37886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1884 after pos.:0
L:37923 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1885 after pos.:0
L:37965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1886 after pos.:0
L:38004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1887 after pos.:0
L:38046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1888 after pos.:0
L:38085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1889 after pos.:0
L:38124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1890 after pos.:0
L:38166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1891 after pos.:0
```